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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/541,876	07/08/2005	Sang-Youl Kim	1834-2	7961
7590 08/21/2007 Thomas M. Galgano, Esq. GALGANO & ASSOCIATES, PLLC			EXAMINER	
			LYONS, MICHAEL A	
	Suite 204 20 West Park Avenue Long Beach, NY 11561			PAPER NUMBER
			MAIL DATE	DELIVERY MODE
			08/21/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)			
	10/541,876	KIM ET AL.			
Office Action Summary	Examiner	Art Unit			
	Michael A. Lyons	2877			
The MAILING DATE of this communication app Period for Reply		orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b)	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim iill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	the mailing date of this communication. O (35 U.S.C. § 133).			
Status	· ·				
1) ⊠ Responsive to communication(s) filed on 25 Ma 2a) ⊠ This action is FINAL. 2b) ☐ This 3) ☐ Since this application is in condition for allowant closed in accordance with the practice under E	action is non-final. ice except for formal matters, pro				
Disposition of Claims		•			
4) ⊠ Claim(s) 8-11 is/are pending in the application. 4a) Of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) ⊠ Claim(s) 8-11 is/are rejected. 7) □ Claim(s) is/are objected to. 8) □ Claim(s) are subject to restriction and/or	·				
Application Papers					
9)☑ The specification is objected to by the Examine 10)☑ The drawing(s) filed on 25 May 2007 is/are: a)[Applicant may not request that any objection to the or Replacement drawing sheet(s) including the correction 11)☐ The oath or declaration is objected to by the Examine 11.	☐ accepted or b)☐ objected to be drawing(s) be held in abeyance. See on is required if the drawing(s) is object.	e 37 CFR 1.85(a). lected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
		· .•			
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ste			

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DETAILED ACTION

Specification

The disclosure is objected to because of the following informalities: on page 10, line 7 of the substitute specification, analyzing unit 54 is incorrectly referred to as analyzing unit 42. Element 42 is the spectrograph in Figure 2.

Appropriate correction is required.

Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 8-11 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Specifically, regarding claims 8 and 10 (and, inherently, claims 9 and 11), the claims recite the limitation "splitting the light reflected from the sample according to the intensity of each wavelength".

There is no enablement for this limitation in the specification, because the specification only states that the spectrograph splits the light reflected from the surface of the sample based on the "degree" of each wavelength, with degree able to be interpreted as anything, such as the actual value of each wavelength.

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

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Claims 8-11 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claims 8 and 10, each claim contains the parenthetical aside "variation of the refraction index according to each wavelength of the reflected light". This aside is unclear because it's included within parenthesis, which makes it unclear to the examiner whether the limitation is actually part of the claim or not. As such, the claims are rejected as being indefinite.

As for claims 9 and 11, these claims are also rejected as being dependent upon claims 8 and 10, respectively, and thereby containing all of the limitations contained therein.

Claim Rejections - 35 USC § 101

35 U.S.C. 101 reads as follows:

Whoever invents or discovers any new and useful process, machine, manufacture, or composition of matter, or any new and useful improvement thereof, may obtain a patent therefor, subject to the conditions and requirements of this title.

Claims 8-11 are rejected under 35 U.S.C. 101 because the disclosed invention is inoperative and therefore lacks utility. Regarding claims 8 and 10 in particular (and, inherently, claims 9 and 11), the claim discloses the limitation "splitting the light reflected from the sample according to the intensity of each wavelength". This limitation is performed, according to claim 8, by a spectrograph. This renders the claimed invention inoperative because spectrographs and spectrometers do not operate by splitting light according to the intensity of each wavelength. Spectrographs and spectrometers operate by splitting the light according to the wavelength; light enters the device, strikes a prism or grating or other similar element, and the light is separated into is constituent wavelengths. The intensities of each wavelength are

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irrelevant to the light being split, but are eventually detected by a CCD or other detecting element.

Currently, the claims are once again precluded from examination under art because of the limitation discussed above in the 35 USC 101 rejection. Once again, however, the examiner directs the applicants to the prior art cited in the previous Office action, such as US Pat. 5,440,141 to Horie or US 2004/0246493 to Kim et al. that cover film thickness measurement methods and apparati.

Response to Arguments

Applicant's arguments with respect to originally filed claims 1-7 (and, by extension, currently pending claims 8-11) have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event,

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however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael A. Lyons whose telephone number is 571-272-2420.

The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory J. Toatley can be reached on 571-272-2800 ext. 77. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Michael A. Lyons
Patent Examiner

August 17, 2007